

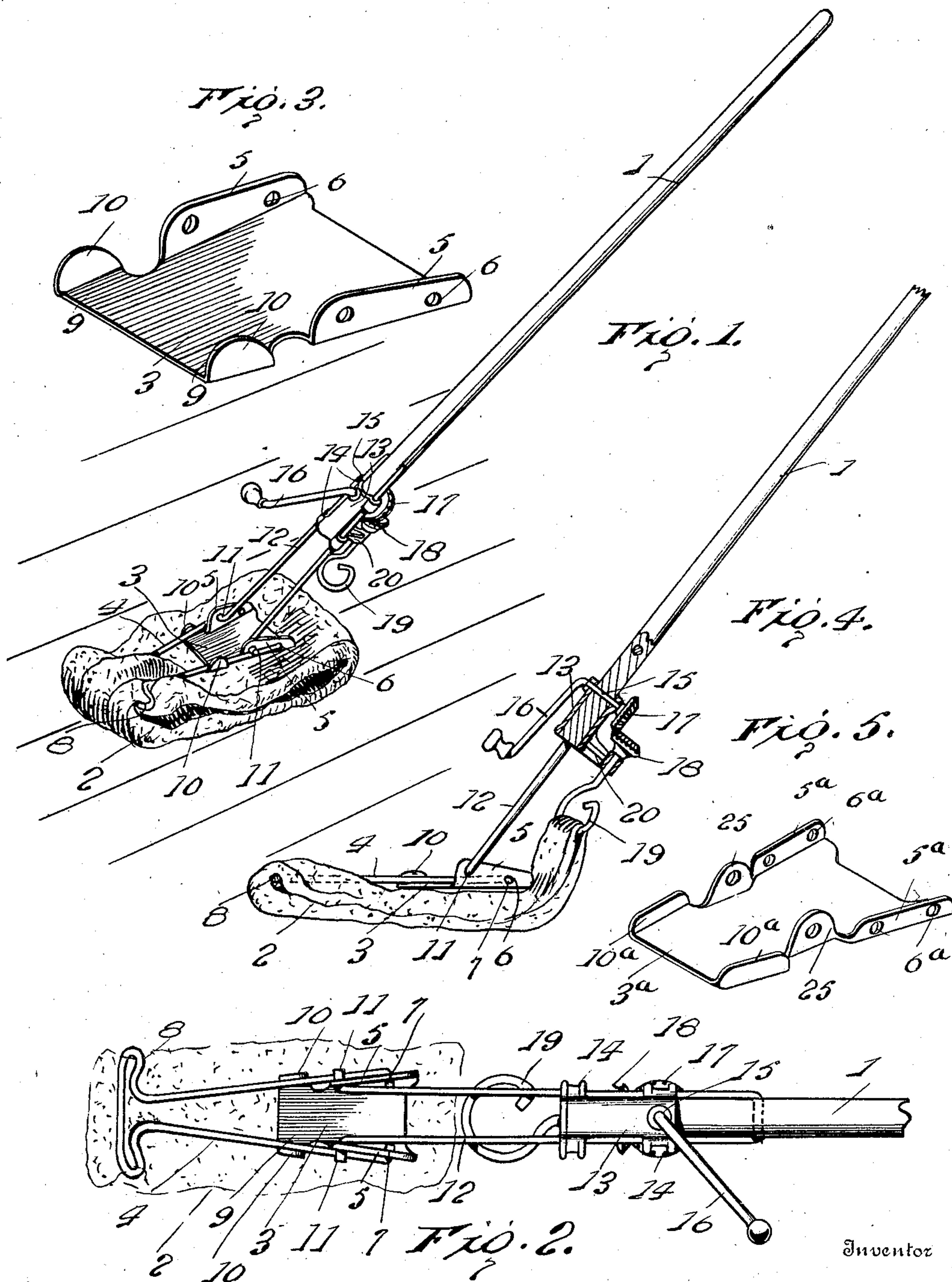
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H. L. SLUSSER.

COMBINATION MOP AND WRINGER.

APPLICATION FILED APR. 23, 1906.



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Witnesses

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COMBINATION MOP AND WRINGER.

No. 847,123.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed April 23, 1906. Serial No. 313,301.

To all whom it may concern:

Be it known that I, HARRY L. SLUSSER, a citizen of the United States, residing at Columbus Grove, in the county of Putnam and State of Ohio, have invented certain new and useful Improvements in Combination Mops and Wringers, of which the following is a specification.

This invention embodies improvements in that class of household devices commonly called "combined mops and wringers;" and the essential feature of the invention resides in novel details of construction, which will more fully appear hereinafter and which will be finally claimed.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a view showing the embodiment of the invention as when in practical use. Fig. 2 is a top plan view of the device. Fig. 3 is a detail perspective view of the holder-plate. Fig. 4 is a longitudinal sectional view through the handle adjacent to the wringing mechanism. Fig. 5 is a detail perspective view of a modified form of the holding-plate.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Specifically describing the invention, the numeral 1 designates the handle of a mop, to the lower end of which is applied a wringing device and mop. The mop-cloth 2 is secured to the handle by means of a holder comprising two parts—a plate 3 and an attaching member 4, attached to said plate. The plate 3 is provided with longitudinal flanges 5, having apertures 6, receiving inturned terminal extensions 7 of the sides of the attaching member 4. The member 4 is of somewhat U form, the sides thereof converging toward the outer ends of the same and being continued to form a body-loop 8, projecting laterally therefrom and receiving the mop-cloth 2. When in operative position, the sides of the member 4 extend longitudinally of the flanges 5 and overlap lateral extensions 9 at the front end of the plate 3, ears 10 projecting upwardly from the extensions 9

exterior to the sides of the member 4. Though the member 4 virtually has pivotal connection with the plate 3 by the provision of the terminal extensions 7, yet said member 4 is held rigid relative to the plate 3 in the operation of the invention by the coöperation of pivot projections 11 on the sides of the handle extension 12, which projections 11 pass through apertures in the flanges 5 so as to extend over the sides of the member 4 and firmly hold said sides down in contact with the extensions 9 of the plate 3. To remove the mop-cloth, it is only necessary to press together the sides of the handle extension 12, this movement detaching the projections 11 from the plate 3 and permitting upward movement of the member 4 relative to the plate, so as to disengage the sides of the member 4 from the ears 10 and permit said sides to be separated to detach the member 4 from the plate. When the member 4 is removed from the plate 3, it will be obvious that the mop-cloth 2 can then be displaced.

The device provided for holding the mop-cloth 2 includes the handle extension 12, which consists, preferably, of a U-shaped length of stout wire which passes through a transverse opening in the handle 1, the sides of the extension 12 being arranged at opposite sides of the handle longitudinally thereof and projecting some distance beyond the lower extremity of said handle to the point of attachment with the mop-holding device. The extension 12 is held in position by means of a head or socket 13, which receives the lower end of the handle and which is formed with integral offsets 14, engaging the sides of the extension 12 and firmly connecting said extension to the handle. Preferably the head 13 has two offsets at each of opposite sides to coöperate with the sides of the handle extension 12. The head 13 is prevented from displacement from the handle 1 by the shaft 15, having a crank-handle 16 adjacent to the lower extremity of handle 1. The shaft 15 passes through a transverse opening in the handle, as well as the upper portion of the head, and is provided with a pinion 17, which meshes with a second pinion 18, applied to a longitudinally-arranged wringing device comprising a hook 19. The shank of the hook 19 is mounted in a longitudinal bearing formed in a lateral arm 20, integral with and projecting from the lower portion

of the head 13. The disposition of the mop-cloth, which is preferably of the continuous or endless type, is such that an end of said cloth may be readily engaged with the hook 5 or wringing member 19, and when so engaged it is only necessary to turn the crank-handle 16, which will so twist the mop-cloth as to effectively wring the same.

Fig. 5 illustrates a modification in the form 10 of the mop-holding device regarding the construction of the plate 3^a. Said plate 3^a, as shown in Fig. 5, is provided with the longitudinal flanges 5^a, having a plurality of apertures 6^a for adjusting the point of connection 15 of the member 4, and also having the vertical ears 10^a longitudinally of the front end portion thereof and projecting upwardly from the side edges. Pivot ears or members 25 project upwardly from the plate 3^a and are 20 located intermediate of the flanges 5^a and the ears 10^a. The pivot-ears 25 are apertured for connection with the parts in an obvious manner.

Having thus described the invention, what 25 is claimed as new is—

1. In combination, a handle provided with an extension embodying spaced sides, a plate carried by said extension, a mop-cloth-attaching frame having sides pivotally attached at 30 one end to said plate, ears projecting from the plate and engaging the sides of the mop-cloth-attaching frame to prevent spreading of the latter, and to hold the latter in engagement with the plate, and means connecting 35 the handle extension above mentioned with the plate of the holder and preventing disengagement of the sides of the mop-cloth-attaching frame from the ears aforesaid.

2. In combination, a handle provided with 40 an extension embodying spaced sides, a plate carried by said extension, a mop-cloth-attaching frame having sides pivotally attached at one end to said plate, ears projecting from the plate and engaging the sides of 45 the mop-cloth-attaching frame to prevent spreading of the latter and to hold the latter in engagement with the plate, and pivot projections extending from the sides of said ex-

tension and connecting the same with the plate of the mop-holder, said pivot projections engaging with the sides of the mop-cloth-attaching frame to prevent disengagement of the latter from the ears aforesaid. 50

3. A device of the character described, comprising a handle, a mop-holder consisting 55 of a plate and a mop-cloth-attaching frame pivotally connected to said plate, means for holding the mop-cloth-attaching frame in pivotal connection with the plate to admit of movement of said attaching-frame preliminary 60 to disconnection thereof, and means connecting the handle with the plate and cooperating with the latter to normally prevent movement of the mop-cloth-attaching frame necessary to disconnection of the same from 65 the plate.

4. In combination, a handle provided with a handle extension comprising spaced sides having outwardly-extending pivot projections at the lower extremities thereof, a mop- 70 holder consisting of a plate provided with longitudinal flanges apertured to receive the pivot projections of the handle extension, and also having lateral extensions formed with integral upwardly-projecting ears, and 75 a mop-cloth-attaching frame embodying spaced sides having inwardly-projecting terminals passing through the longitudinal flanges of the plate to establish pivotal connection therewith, the sides of the mop-cloth- 80 attaching frame overlapping the lateral extensions of the plate and being arranged upon the inner sides of the ears of said extensions, the pivot projections of the handle extension engaging over the sides of the mop-cloth-at- 85 taching frame to hold the same in position upon the inner sides of the ears, whereby the mop-cloth-attaching frame is maintained rigid with respect to the plate.

In testimony whereof I affix my signature 90 in presence of two witnesses.

HARRY L. SLUSSER. [L. s.]

Witnesses:

CLOYD DECK,
HARRY S. CORE.